# Wide Belt Carrier Buffer Module (WBB)
Technical Data Sheet

The Wide Belt Carrier Buffer Module is a sample-carrier collector used to reduce the workload on the track. The Wide Belt Carrier can be used in two different, mutually exclusive configurations:

· as a sample carrier collector.
· as a sample tube collector.

The WBB is provided in two different sizes: 240 or 600 carriers.
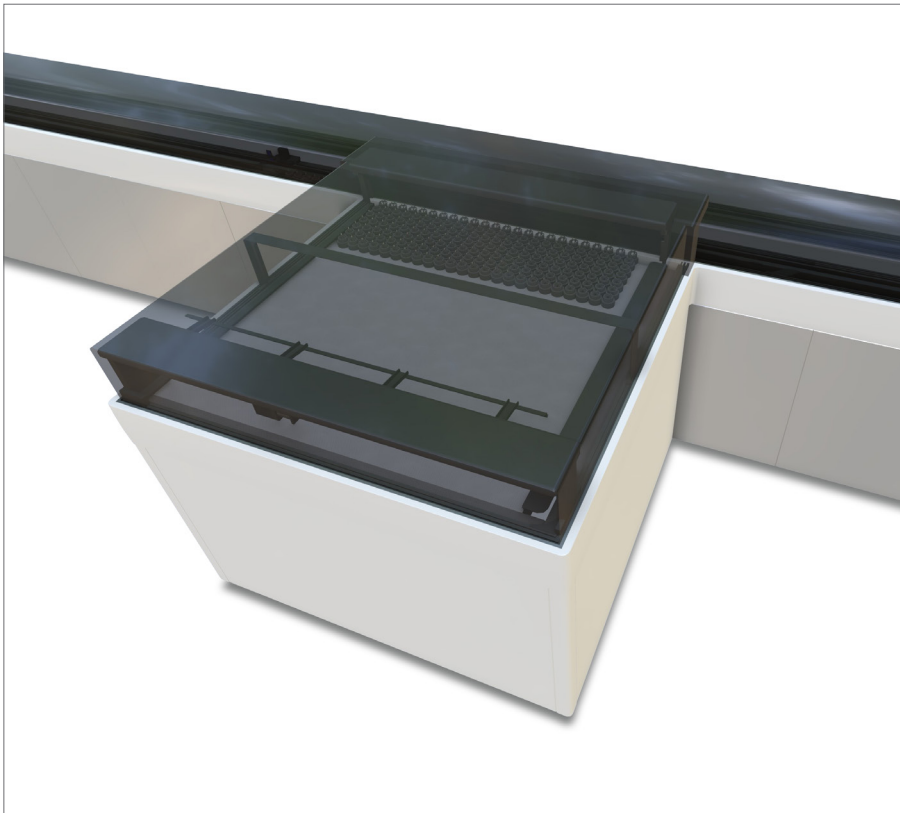
Benefits

> Efficient management of overloaded analyzers to avoid traffic jams on the main track

> Efficient management of empty carrier for future loading of sample tubes on the automation to avoid traffic jams on the main track

Applications

> As sample carrier collector (Empty Carriers): collection of empty carriers to relieve the track workload before loading samples

> As a sample tube collector (Full Carriers): collection of tubes waiting for analysis in critical Overload scenario
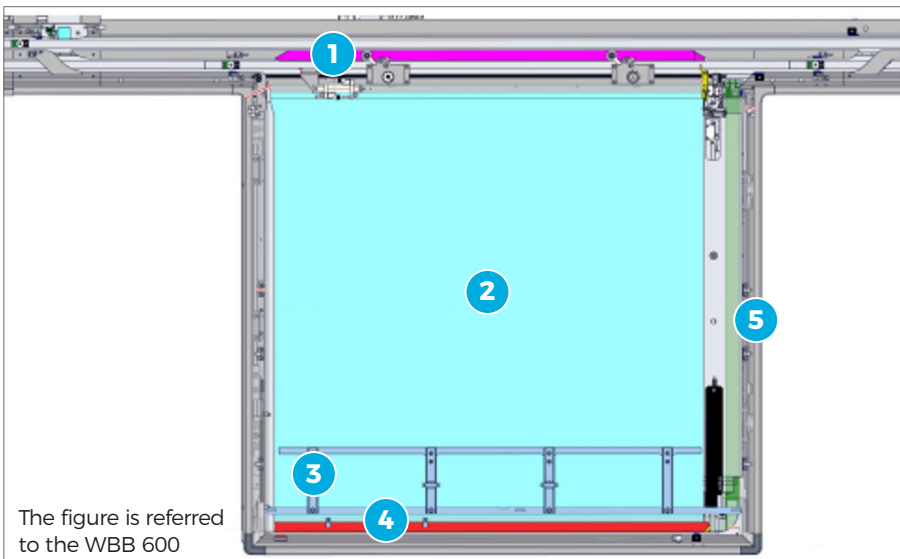
The figure is referred to the WBB 600

1 Batch Pusher

2 Buffer Belt

3 Lane Compactor

4 Shift Belt

5 Exit Belt

Main **Features**

Throughput	Up to 800 tubes/h
Walk-away capacity	Always automatically loaded
Tube specifications	
Sample type	All tubes allowed on track
Cap type	All tubes allowed on track
Dimensions (mm)	All tubes allowed on track
Position along the automation	Before Input Area and before Analyzers in Analytical Area

The maximum throughput calculations are obtained in optimized and standardized conditions, as tested by Inpeco.

Other **Features**

> The automation system automatically stores and retrieves sample tubes from WBB configured for a specific instrument according to the configured analyzer overload threshold

> The automation system automatically retrieves empty carriers from WBB for empty carriers when necessary for current Automation throughput

> Automation System automatically removes empty carriers from track when not necessary for current Automation and store them into WBB for empty carriers

> The WBB manages the sample and empty carriers according to the FIFO (First In - First OUT) logic

> The WBB is provided with a system of belts (Buffer Belt, Shift Belt and Exit Belt) to transfer the carriers into and out of the module

Technical Specifications

	WBB 240	WBB 600		WBB 240	WBB 600
Dimensions (LxHxD) (mm)	535x 1045x 1200	1230x 1045x 1075	Maximum continuous current (A)	/	/
Main clearances (left x right x front) (mm)	500x500x 500	500x500x 500	Maximum alternate current (A)	1	1 (Standard), 1.2 (HT)
Weight (Kg)	100	130	Total power consumption (VA)	230	230 (Standard), 276 (HT)
Compressed air (NL/min)	3.9	3.8 (Standard), 0.45 (HT)	Heat (BTU/h)	625.6	625.6 (Standard), 750.7 (HT)
Power inlet point	230 Vac	230 Vac			

Technical Drawing

WBB 240

WBB 600
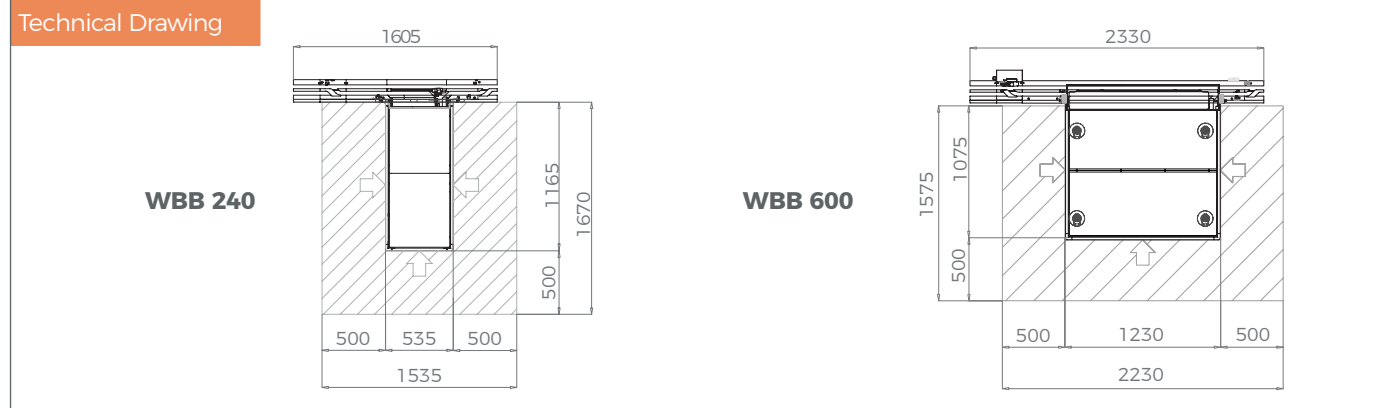
Module dimensions and clearances expressed in mm.

Ordinary Maintenance

Operator[1]	/
Service[2]	Every 90-180 days, according to operations

[1] According to Operation Manual. [2]The periodicity depends also on the routine tubes/day. For more details refer to Service Manual.

Part Numbers

	FlexLab™	FlexLab™ for High Throughput
240 Module	FLX-256-01	N.A.
240 Slot	FLX-556-01	N.A.
600 Module	FLX-258-02	FLX-258-11
600 Slot	FLX-558-01	FLX-558-11

N.A. = Not Available.

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